PE-BERKELEY, Inc.

August 22nd, 2016

Director of Compliance Enforcement
Attn: Title V Reports
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109

Subject: Title V Semi-Annual Monitoring Report for PE Berkeley, Inc., facility ID # B1326, for the period February 1st, 2016 through July 31st, 2016.

This Semi-Annual Report is being submitted is response to Section I, Standard Conditions Clause F, Monitoring Reports.

PE Berkeley, Inc. is submitting this Monitoring Report as required by the Bay Area Air Quality Management District. The permit requires only monitoring by record, periodically and by event, for source specific permit conditions. This facility maintains records of all product and quantities delivered and production by equipment run. We maintain and review product MSDS and applicable emission data for products delivered for consumption by source.

I certify to the best of my knowledge this to be a true and accurate statement.

Regards,

Michael Mazowita
PE Berkeley, Inc.

Attachment

PERMIT NON-COMPLIANCE SUMMARY

(Previously reported to District)

Facility ID: #B1326

Reporting period: February 1st, 2016 through July 31st, 2016.

DAS System Events

1. March 13, 2016 – DAHS recorded BAD data from 02:00 through 03:00 due to the Daylight Savings Time change.
2. April 05, 2016 – DAHS system recorded BAD data from 07:00 through 08:00 due to CEMS Unit being placed into a manual calibration as part of a maintenance check.
3. 6/19/2016 – Bad data recorded due to tripped power supply to sample probe heater. Bad data recorded from approximately 10pm through approximately 7am on 6/20/2016.
4. 6/29/2016 – Bad data recorded due to tripped power supply to sample probe heater. Bad data recorded from approximately 5pm trough approximately 7am on 6/30/2016. Tested heater element, and it spears to be failing.
5. 6/30/2016 – Bad data recorded due to tripped power supply to sample probe heater. Bad data recorded from approximately 10pm through approximately 9am on 7/1/2016. A spare sample probe heater element was ordered and will be replaced when received.

CEMS System Events

1. None. March 03, 2016 – DAHS recorded bad data from 07:00 through 12:00. The CEMS monitors were placed in maintenance to replace the sample cooler and NOX converter.
2. March 04, 2016 – DAHS recorded bad data from 07:00 through 08:00. The CEMS were placed in maintenance to perform a manual calibration.
3. March 22, 2016 – DAHS recorded BAD data from 10:00 through 12:00 due to CGA testing.
4. April 05, 2016 – CEMS monitors were placed in maintenance to perform a manual calibration as part of a maintenance check.
5. 6/20/2016 – Data lost today due to previous (6/19/2016) event. Manual data taken on combustion stream parameters and on file at facility. Two week averages recorded for today's data.
6. 7/01/2016 – Data lost today due to sample heater electrical interruption (tripped breaker). Cause of this is unknown at this time. Manual data was taken on combustion stream parameters and is on file at facility.

Other Events

None.

Table VII–A
Applicable Limits and Compliance Monitoring Requirements
S–1, Emergency Diesel Engine Generator

Type of Limit	Emission Limit Citation	FE Y / N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance YES	Compliance NO
Opacity	BAAQMD Regulation 6-1-303.1	N		>=Ringlemann 2.0 for no more than 3 minutes in any hour.		N		X	
Opacity	SIP Regulation 6-303.1	Y		>=Ringleman 2.0 for no more than 3 minutes in any hour		N		X	
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf		N		X	
FP	SIP Regulation 6-310	Y		0.15gr/dscf		N		X	
SO2	BAAQMD 9-1-301	Y		Property Line Ground level limits: <=0.5 ppm for 3 minutes and <= 0.25 ppm for 60 min. and <= 0.05ppm for 24 hours.	None	N	N/A	X	
	BAAQMD 9-1-304	Y		0.5%wt Sulfur in liquid fuel		P/E	Fuel certification of each delivery	X	
Hours of Operation	BAAQMD 9-8-330.1	N		Unlimited hours for emergencies.	BAAQMD 9-8-530.2	C P/M	Hour Meter, Records of Operating Hours	X	
	BAAQMD 9-8-330.2	N		100 hours per calendar year or permit limit whichever is lower for reliability-related activities	BAAQMD 9-8-530	C P/M	Hour Meter, Records of Operating Hours	X	
	BAAQMD 9-8-330.3	N	1/1/2012	50 hours per calendar year of permit limit whichever is lower for reliability-related activities	BAAQMD 9-8-530	C P/M	Hour Meter, Records of Operating Hours	X	
	BAAQMD Condition #22820 Part 2	Y		Unlimited Hours for Emergencies	BAAQMD Condition #22820 Part 3 and 4	C P/M	Hour Meter, Record Keeping	X	
	BAAQMD Condition #22820 Part 1	Y		<=20 hours per year for reliability-related activities	BAAQMD Condition #22820 Part 3 and 4	C P/M	Hour Meter, Record Keeping	X	

Table VII–B
Applicable Limits and Compliance Monitoring Requirements
S–40, Turbine

Type of Limit	Emission Limit Citation	FE Y / N	Future Effective Date	Emission Limit	Monitoring Frequency Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance YES	Compliance NO
NOX	BAAQMD 9-9-303.2	N		20.2 ppmv @ 15% O2, dry (adjusted per 9-9-401), except during start-up	BAAQMD 9-9-501	C	CEM	X	
NOX	SIP 9-9-303.2	Y		20.2 ppmv @ 15% O2, dry (adjusted per 9-9-401), except during start-up	SIP 9-9-501	C	CEM	X	
	BAAQMD 9-9-303.2	N		42 ppmv @ 15% O2, dry during natural gas curtailment or short testing periods	BAAQMD 9-9-501	C	CEM	X	
	SIP 9-9-303.2	Y		42 ppmv @ 15% O2, dry during natural gas curtailment or short testing periods	SIP 9-9-501	C	CEM	X	
	BAAQMD Cond #366 Part 4	Y		20.2 ppmdv – natural gas: @ 15% O2, 3 hr avg, except during startr-up	BAAQMD Cond #366 Part 12	C	CEM	X	
NOX	BAAQMD Cond #366 Part 5	Y		20.2 ppmdv – natural gas: @15% O2 (combined S-40 & S-41), 3 hr avg, except during start-up	BAAQMD Cond #366 Part 12	C	CEM	X	
	BAAQMD Cond #366 Part 6	Y		42 ppmdv – fuel oil: @15% O2, 3 hr avg, except during start-up	BAAQMD Cond #366 Part 12	C	CEM	X	
NOX	BAAQMD Cond #366 Part 7	Y		39 ppmdv – fuel oil: @15% O2 (combined S-40 & S-41), 3hr avg, except during start-up	BAAQMD Cond #366 Part 12	C	CEM	X	
	BAAQMD Cond #366 Part 10	Y		547 lb/day when burning natural gas and 1093 lb/day when burning fuel oil (combined S-40 & 41)	BAAQMD Cond #366 Part 12	C	CEM	X	
	NSPS Subpart GG, 60.332(a)(1)	Y		99 ppmdv @ 15% O2 dry, 4-hr average	NSPS Subpart GG, 60.334(b)	C	CEM	X	
CO	BAAQMD Cond #366 Part 4a	Y		200 ppm @ 15% O2 3-hour average except during start-up.	BAAQMD Cond #366 Part 12a	C	CEM	X	
CO	BAAQMD Cond #366 Part 5a	Y		200 ppm @ 15% O2 (combined S-40 & S-41) 3-hour average except during start-up	BAAQMD Cond #366 Part 12a	C	CEM	X	
CO	BAAQMD Cond #366 Part 10	Y		2195 lb/day (natural gas or fuel oil)(combined S-40 & 41)	BAAQMD cond #366 Parts 10, 12a, and 18	C	CEM, Annual source test	X	
SO2	BAAQMD Cond #366 Part 2	Y		Maximum of 0.12% by wt Sulfur in fuel oil	BAAQMD Cond #366 Parts 2	P/E	At each delivery, fuel sampling using District's laboratory procedure method 10	X	

[1] Ground level Concentration

Table VII–B
Applicable Limits and Compliance Monitoring Requirements
S–40, Turbine
Continued...

Type of Limit	Emission Limit Citation	FE Y / N	Future Effective Date	Emission Limit	Monitoring Frequency Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance YES	Compliance NO
SO2	BAAQMD Cond #366 Part 3	Y		Maximum of 0.25% by wt Sulfur in fuel oil during periods of natural gas curtailment	BAAQMD Cond #366 Parts 2	P/E	At each delivery, fuel sampling using District's laboratory procedure method 10	X	
	BAAQMD Cond #366 Part 11	Y		987 lb/day (natural gas) 40 tons/year (combined S-40 & S-41)	BAAQMD Cond #366 Parts 11	P/E	fuel sampling using District's laboratory procedure method 10	X	
SO2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		X	
SO2	BAAQMD 9-1-302	Y		300 ppm (dry)		N		X	
	BAAQMD 9-1-304	Y		0.5% wt Sulfur in liquid fuel		P/E	Fuel certification	X	
SO2	NSPS Subpart GG, 60.333(a)	Y		0.015% (vol) @ 15% O2 (dry), or 0.8% sulfur in gaseous fuel by weight	NSPS Subpart GG, 60.334 (h)(3)	P/M or EN	Monthly gaseous fuel analysis of current, valid purchase contract, tariff sheet or transportation contract	X	
SO2	NSPS Subpart GG, 60.333(b)	Y		0.8% sulfur in fuel oil by weight	NSPS Subpart GG, 60.334(h)(1), 60.334(i)(1)	P/E	At each fuel oil delivery, fuel sampling using District's laboratory procedure method 10	X	
Opacity	BAAQMD 6-1-301	N		>=Ringlemann No. 1 for no more than 3 minutes in an hour	BAAQMD Cond #366 Part 19	P/E, during distillate oil combustion	Visible emissions monitoring	X	
Opacity	SIP 6-301	Y		>=Ringlemann No. 1 for no more than 3 minutes in an hour	BAAQMD Cond #366 Part 19	P/E, during distillate oil combustion	Visible emissions monitoring	X	
FP	BAAQMD 6-1-310	N		0.15 grain/dscf @ 6% O2		N		X	
FP	SIP 6-301	Y		0.15 grain/dscf @6% O2		N		X	

[1] Ground level Concentration

Table VII–C
Applicable Limits and Compliance Monitoring Requirements
S–41, Duct Burner

Type of Limit	Emission Limit Citation	FE Y / N	Future Effective Date	Emission Limit	Monitoring Frequency Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance YES	Compliance NO
NOX	BAAQMD 9-9-303.2	N		20.2 ppmv @ 15% O2, dry (adjusted per 9-9-401), except during start-up	BAAQMD 9-9-501	C	CEM	X	
NOX	SIP 9-9-303.2	Y		20.2 ppmv @ 15% O2, dry (adjusted per 9-9-401), except during start-up	BAAQMD 9-9-501	C	CEM	X	
	BAAQMD 9-9-303.2	N		42 ppmv @ 15% O2, dry during natural gas curtailment or short testing periods	BAAQMD 9-9-501	C	CEM	X	
	SIP 9-9-303.2	Y		42 ppmv @ 15% O2, dry during natural gas curtailment or short testing periods	BAAQMD 9-9-501	C	CEM	X	
NOX	BAAQMD Cond #366 Part 5	Y		20.2 ppmdv – natural gas: @15% O2 (combined S-40 & S-41), 3 hr avg, except during start-up	BAAQMD Cond #366 Part 12	C	CEM	X	
	BAAQMD Cond #366 Part 7	Y		39 ppmdv – fuel oil: @15% O2 (combined S-40 & S-41), 3hr avg, except during start-up	BAAQMD Cond #366 Part 12	C	CEM	X	
	BAAQMD Cond #366 Part 10	Y		547 lb/day when burning natural gas and 1093 lb/day when burning fuel oil (combined S-40 & S-41)	BAAQMD Cond #366 Parts 9 and 12	C	CEM	X	
	NSPS Subpart GG, 60.332(a)(1)	Y		99 ppmdv @ 15% O2 dry, 4 – hr average	NSPS Subpart GG, 60.334(b)	C	CEM	X	
CO	BAAQMD Cond #366 Part 5a	Y		200 ppm @ 15% O2 (combined S-40 & S-41) 3-hour average except during start-up	BAAQMD Cond #366 Part 12a	C	CEM	X	
	BAAQMD Cond #366 Part 10	Y		2195 lb/day (natural gas) 2195 lb/day (fuel oil) (combined S-40 & 41)	BAAQMD cond #366 Parts 10, 12a, and 18	C	CEM, Annual source test	X	
SO2	BAAQMD Cond #366 Part 11	Y		987 lb/day (natural gas) 40 tons/year (combined S-40 & 41)	BAAQMD Cond #366 Parts 11	P/E	At each fuel delivery, fuel sampling using District's laboratory procedure method 10	X	
SO2	BAAQMD 9-1-301	Y		GLC[1] of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		X	
SO2	BAAQMD 9-1-302	Y		300 ppm (dry)		N		X	
	BAAQMD 9-1-304	Y		0.5% wt Sulfur in liquid fuel		P/E	Fuel certification	NA[2]	

[1] Ground level Concentration

[2] Not Applicable. Source #41 configured for gaseous fuel only.

Table VII–C
Applicable Limits and Compliance Monitoring Requirements
S–41, Duct Burner
Continued...

Type of Limit	Emission Limit Citation	FE Y / N	Future Effective Date	Emission Limit	Monitoring Frequency Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance YES	Compliance NO
SO2	NSPS Subpart GG, 60.333 (a)	Y		0.015% (vol) @ 15% O2 (dry), or 0.8% sulfur in gaseous fuel by weight	NSPS Subpart GG, 60.334(h)(3)	P/M or EN	Monthly gaseous fuel analysis of current, valid purchase contract, tariff sheet or transportation contract	X	
SO2	NSPS Subpart GG, 60.333 (b)	Y		0.8% sulfur in fuel oil by weight	NSPS Subpart GG, 60.334 (h)(1), 60.334(i)(1)	P/E	At each fuel delivery, fuel sampling using District's laboratory procedure method 10	NA[2]	
Opacity	BAAQMD 6-1-301	N		>=Ringlemann No. 1 for no more than 3 minutes in any hour	BAAQMD Cond #366 Part 19	P/E, during distillate oil combustion	Visible emissions monitoring	NA[2]	
Opacity	SIP 6-301	Y		>=Ringlemann No. 1 for no more than 3 minutes in any hour	BAAQMD Cond #366 Part 19	P/E, during distillate oil combustion	Visible emissions monitoring	NA[2]	
FP	BAAQMD 6-310	N		0.15 grain/dscf @ 6% O2			N	X	
FP	SIP 6-310	Y		0.15 grain/dscf @ 6% O2			N	X	

[1] Ground level Concentration
[2] Not Applicable. Source #41 configured for gaseous fuel only.

August 22, 2016

Mike Mazowita, Director – Asset Management
Olympus Power, LLC.
750 Short Ridge Ave.
Rochester Hills, Michigan 48307

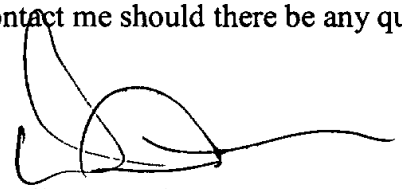
RE: Berkeley facility Title V Monitoring Report for 2016

Mike,

Enclosed is a copy of the Monitoring Report for 2016. Please sign the letter cover sheet and return the complete report to the facility. We will mail the Report to the District. This report is due by August 31st, 2016.

Please contact me should there be any questions regarding this submittal.

Regards,



David McEligot, Facility Manager
PE Berkeley, Inc.

Attachments

File: Title V Monitoring Report letter_2016bCover
Date:08/22/16